

[illegible]

<120> Sodium/Proton antiporter gene

<130> MOA-006PCT

<150> JP 1998-365604

<151> 1998-12-22

<160> 2

<170> PatentIn Ver. 2.0

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$\langle 211 \rangle$ 2330

<212> DNA

<213> *Oryza sativa*

 $\langle 220 \rangle$

<221> CDS

<222> (297).. (1901)

 $\langle 400 \rangle$ 1

Glu Ser Ile Thr Ala Leu Ile Ile Gly Leu Cys Thr Gly Val Val Ile

[illegible]

THE **WORLD'S** **LARGEST** **BOOK** **STORE**

[illegible][illegible][illegible][illegible]

ctg gta ttc ggt gaa ggt gtt gtg aac gat gct aca tca att gtg ctt 875
Leu Val Phe Gly Glu Gly Val Val Asn Asp Ala Thr Ser Ile Val Leu
180 185 190

ttc aac gca cta cag aac ttt gat ctt gtc cac ata gat gcg gct gtc 923
Phe Asn Ala Leu Gln Asn Phe Asp Leu Val His Ile Asp Ala Ala Val
195 200 205

glt ctg aaa ttc ttg ggg aac ttc ttt tat tta ttt ttg tcg agc acc 971
Val Leu Lys Phe Leu Gly Asn Phe Phe Tyr Leu Phe Leu Ser Ser Thr
210 215 220 225

ttc ctt gga gta ttt gct gga ttg ctc agt gca tac ata atc aag aag 1019
Phe Leu Gly Val Phe Ala Gly Leu Leu Ser Ala Tyr Ile Ile Lys Lys
230 235 240

cta tac att gga agg cat tct act gac cgt gag gtt gcc ctt atg atg 1067
Leu Tyr Ile Gly Arg His Ser Thr Asp Arg Glu Val Ala Leu Met Met
245 250 255

c t c a t g g c t t a c c t t t c a t a t a t g c t g g c t g a g t t g c t a g a t t t g a g c 1115
Leu Met Ala Tyr Leu Ser Tyr Met Leu Ala Glu Leu Leu Asp Leu Ser

270

Gly Ile Leu Thr Val Phe Phe Cys Gly Ile Val Met Ser His Tyr Thr

285

Trp His Asn Val Thr Glu Ser Ser Arg Val Thr Thr Lys His Ala Phe

305

Ala Thr Leu Ser Phe Ile Ala Glu Thr Phe Leu Phe Leu Tyr Val Gly

320

Met Asp Ala Leu Asp Ile Glu Lys Trp Glu Phe Ala Ser Asp Arg Pro

335

Gly Lys Ser Ile Gly Ile Ser Ser Ile Leu Leu Gly Leu Val Leu Ile

350

Gly Arg Ala Ala Phe Val Phe Pro Leu Ser Phe Leu Ser Asn Leu Thr

365

370 375 380 385

390 395 400

405 410 415

420 425 430

435 440 445

450 455 460 465

ctc ctg aca agc atg caa ggt ict gac ctc gag agt aca acc aac att 1739
Leu Leu Thr Ser Met Gln Gly Ser Asp Leu Glu Ser Thr Thr Asn Ile

480

Val Arg Pro Ser Ser Leu Arg Met Leu Leu Thr Lys Pro Thr His Thr

495

Val His Tyr Tyr Trp Arg Lys Phe Asp Asp Ala Leu Met Arg Pro Met

510

Phe Gly Gly Arg Gly Phe Val Pro Phe Ser Pro Gly Ser Pro Thr Glu

525

Gln Ser His Gly Gly Arg

535

tgtagagttt ggctgctgct aatgagttgt tgatagtgcc tatattcttc agaacttcag 2051

gglllgllcl gtcaggatga accctaglga glgacacagg glgatgtgcl ccgacaacct 2171

Ile Leu Leu Met Thr Lys Gly Lys Ser Ser His Leu Phe Val Phe Ser

195 200 205

220

240

255

270

285

300

320

335

350

Ile Val Arg Pro Ser Ser Leu Arg Met Leu Leu Thr Lys Pro Thr His

490

495

Thr Val His Tyr Tyr Trp Arg Lys Phe Asp Asp Ala Leu Met Arg Pro

505

510

Met Phe Gly Gly Arg Gly Phe Val Pro Phe Ser Pro Gly Ser Pro Thr

520

525

Glu Gln Ser His Gly Gly Arg

535

[illegible]